

## Abstract

The present invention relates to a novel fully vulcanized powdery silicone rubber, preparation and use thereof. The fully vulcanized powdery silicone rubber is prepared from an latex of organosilicon polymer or copolymer with lower molecular weight via irradiation of high-energy rays. The gel content of the obtained fully vulcanized powdery silicone rubber is at least 60% by weight. The fully vulcanized powdery silicone rubber can be combined with various plastics and is very easy to be dispersed into plastic matrix, and can be used as toughening agent, processing aids or as additives for cosmetics, ink, paint and coatings.